

# FIRST LAST

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## EDUCATION

Southern Illinois University Edwardsville  
Bachelor of Science in Physics  
Specialization: Astronomy

Edwardsville, IL  
Expected: December 2026  
GPA: 4.0

## RELEVANT COURSEWORK

Intro to Quantum Physics

Special Relativity

Stellar Astronomy

## ACADEMIC EXPERIENCE

- Computational Stellar Evolution: Development of a two-dimensional computer model which predicts the evolution of stars: Found primordial abundance of lithium, a key constraint in the production of nuclei other than those of the lightest isotope of hydrogen during the early phases of the universe.
- Deep Space Communication System: Prototype of an optimal system to transmit and receive a laser communication signal to and from the Orion capsule: Ongoing

## PROFESSIONAL EXPERIENCE

### Observatory Intern

Dec 2023-Jan 2024

Four Seasons Hotels & Resorts

Lanai, Hawaii

- Participated in the Kilo Hōkū Experience through daily instruction and use of the observatory
- Read and comprehended monthly celestial object list in order to convey information to the guests
- Completed assignments from on-site Project Mentor to expand my knowledge in astronomy
- Learned standards and procedures related to the Observatory and its guests

## WORK EXPERIENCE

### Store Manager

2020-Present

Taco Bell

Edwardsville, IL

- Assist the General Manager in managing the operations and staff on a day-to-day basis
- Execution of all company policies, procedures, programs and systems to ensure quality of product and safety of employees
- Ensure compliance with all Federal, State and local laws and ethical business practices in order to ensure that the restaurant runs as intended by law.
- Select, orient and train of crew members in order to present the best crew possible at all times

## SKILLS

High Precision Photometry Data  
Experience

Statistical Technique

Theoretical Modeling

Theoretical Simulation  
Development

Observatory Use

C, C++, Python

Klingon

Greek

## HONORS & ACTIVITIES

Hagan Scholarship

2022, 2023

Alpha Psi Lambda

2022-Present

## VOLUNTEER EXPERIENCE

SIUE Public Astronomical Viewing Sessions

2023-Present

*Sample Resume* – Please contact us for additional assistance.

SIUE Career Development Center | (618) 650-3708 | [careerdevelopment@siue.edu](mailto:careerdevelopment@siue.edu)